"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br.

Bulgaria

Institute of Specialization and Advanced Study for Physicians, Children's Clinic (ISUL-Detska klinika), Director: Prof. Br. BRATANOV.

Sofia, Pediatriya, No 4, 1966, pp 390-397.

"Abdominal Pains as a Manifestation of Epilepsy."

Co-author:

KEREKOVSKI, Iv.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, B.TS.

First cases of fascioliasis in children in Bulgaria. Izv.Inst.sots. med., Sofia Vol.2:337-371 1950. (CLML 20:6)

1. Dr.Br.Ts.Tratanov, Privatdocent and Chief Assistant at the Children's Clinic (Director--Prof.Dr.L.Rachev), Vulko Chervenkov Medical Academy of the Ministry of Public Health.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br., dotsent; BUCHVAROVA, V.; BUIUKLIE, B.; LOLOVA, M.

Pseudocavernous pneumonia in children. Nauch.tr.ISUL, Sofia 2 no.2: 51-65 1953.

1. Klinika po detski bolesti. Zav. katedrata: dots. Br.Ts.Bratanov.
(PNEUMONIA, in infant and child,
pseudocavernous)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Bratan Ts., dotsent; GENOV, G.

Liver fasciolosis in Bulgaria. Nauch.tr. ISUL, Sofia 2 no.2:67-78 1953.

1. Katedra po detski bolesti. Zav.katedrata: dots. Br.Ts.Brantov.
(FASCIOLA HEPATICA, infections;
in child., epidemiol. in Bulgaria)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br.Ts., dotsent; VUTOVA, M.; MAZGALOV, K.

Case of cystine disorders. Nauch.tr.ISUL,Sovia 2 no.2:137-147 1953.

1. Katedra po detski bolesti. Zav. katedrata: dots. Br.Bratanov.
(CYSTINE, metabolism,
disord. in child)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br., TS., prof.

Problem of benign serous meningitis. Suvrem. med., Sofia 6 no.11:3-14 1955.

(MENINGITIS,
benign serous. (Bul))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br., Ts., prof.

Observations on a case of Bornholm disease (Coxsackie virus infection). Suvrem. med., Sofia 6 no.11:37-41 1955.

1. Iz Katedrata i Klinikata po detski bolesti pri bolesti pri ISUL (zav. katedrata: prof. Br. Ts. Bratanov).
(PLEURODYNIA, EPIDEMIC, case reports,
(Bul))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br., Ts., prof.; GORANOV, Iv. T., dot.; VELICHKO, D., dot.

Pneumocystic pneumonia in infants in Bulgaria. Suvrem. med., Sofia 6 no.11:54-60 1955.

1. Iz Katedrata po detski bolesti pri ISUL (zav. katedrata: prof. Br. Bratanov) i Katedrata po obshcha patologiia i patol. anatomiia (zav. katedrata. dots. Iv. Goranov).

(PNEUMONIA, in infant and child,
interstitial plasma cell, pneumocystis cariinii in inf. & Bulgaria. (Bul))

(PROTOZOAN INFECTIONS, in infant and child,
pneumocystis carinii interstitial plasma cell pneumonia in inf. in Bulgaria. (Bul))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br., Ts., Dot.; DOSPEVSKI, D., dot.

Characteristics of typhoid fever in children during the recent years. Suvrem. med., Sofia 6 no.11:84-92 1955.

1. Iz Klinikata po detski bolesti pri ISUL (zav.: dots. Br. Ts. Bratanov).
(TYPHOID FEVER, in infant and child, (Bul))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

EXCERPTA MEDICA Sec 6 Vol 13/4 Internal Med. Apr 59

1900. INCIDENCE AND CLINICAL PICTURE OF HEPATIC FASCIOLIASIS IN BULGARIA (Bulgarian text) - Bratanov B., Tashey T. and Guenoy G. Postgrad. Med. Training Inst., Sofia - SAVR.MED. 1958, 9/1 (3-8)

Hepatic fascioliasis in humans is not a rare disease in Bulgaria. An analysis is made of 25 cases that were followed up clinically and of 81 cases of this disease discovered during a mass investigation and check up of the incidence and extent of helminthiasis among the population of Bulgaria. The disease most frequently affects agricultural workers and young shepherds, who drink meadow waters infested with parasites.

(L, 17, 6)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, B.TS., prof.; STANCHEV, Z.; PISHTIKOV, B.

Galactose disease. Pediatriia no.10:18-21 '61.
(MIRA 14:9)

1. Iz kafedry pediatrii (zav. - prof. B.TS. Bratanov) pri Institute spetsializatsii i usovershenstvovaniya vrachey v Bolgarii.

(GALACTOSE) (CARBOHYDRATE METABOLISM)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br.

Bulgaria

No degree listed

Department of Children's Diseases at the Institute for Specialization and Advanced Study of Physicians (Institut za Spetsiyalizatsiya i Usuvurshenstvuvane na lekarite), no city listed; Department Head: Professor Br. BRATANOV.

Sofia, Pediatriya, supplement of Suvremenna Meditsina, No 2, 1962, pp 18-21.

"Chronic Myelogenous Leucosis and Herpes Zoster Varicella"

Co-author:

DOSPREVSKI, D., Department of Children's Diseases at the Institute for Specialization and Advanced Study of Physicians

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br. Ts.

Bulgaria

No degree listed

Department of Children's Diseases at the Institute for the Specialization and Advanced Study of Physicians (Institut za spetsiyalizatsiya i usuvurshenstvuvane na lekarite), Sofia; Department Head: Professor BRATANOV.

Sofia, Pediatriya, supplement of Suvremenna Meditsina, No 2, 1962, pp 57-63.

"Pfaundler-Hurler's Diseases with Three Cases Reported"

Co-author:

STANCHEV, Zdr., Department of Children's Diseases at the Institute for the Specialization and Advanced Study of Physicians,, Sofia.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BULGARIA

Br. Ts. BRATANOV and Z. STANCHEV, Department of Pediatrics, Postgraduate Medical Institute (Katedra po detski bolesti pri ISUL), Head Prof. Br. BRATANOV [Sofia.]

"Antibiotic Treatment of Severe Staphylococcal Infections."

Sofia, Suvremenna Meditsina, Vol 14, No 5, 1963; pp 8-11.

Abstract : Data on 368 staphylococcal infections in neonates and infants, 1951-1962: 82 were severe. Lately erythromycin, tetracycline and the semi-synthetic penicillins are used increasingly, and the number of fatal cases is progressively decreasing (2 out of 15 severe cases in 1961-1962 as compared to 16 out of 34 in the 3 preceding years) so outlook is hopeful. One graph.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BULGARIA

Br. Ts. BRATANOV and Z. STANCHEV, Department of Pediatrics, Postgraduate Medical Institute (Katedra po detski bolesti pri ISUL) Head (Rukovoditel na katedrata) Prof Br. BRATANOV, [Sofia.]

"Dynamics of Sensitivity to Various Antibiotics in Staphylococcal Infections Over the Past 5 Years."

Sofia, Suvremenna Meditsina, Vol 14, No 5, 1963; pp 12-13.

Abstract : Clinical and bacteriologic data from cases of 222 children with staphylococcal infections 1958-1962. During these years, in vitro penicillin resistance percentage fluctuated from 80.7, 87.8, 79.4, 90.5 to 73.9; but despite complex treatment including erythromycin and the newer semi-synthetic penicillins, the average duration of hospitalization went from 23.6, 22.1, 28.2, 30.7 to 40.9 days in 1962. However, the formerly frequent fulminantly fatal infections are no longer seen and eventual recovery is the general rule. One graph.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BULGARIA

Prof Br. BRATANOV, Chairman of Conference (Rukovoditel na konferentsiyata.)

"Resolutions of the First National Scientific Conference on Medical Uses of Antibiotics."

Sofia, Suvremenna Meditsina, Vol 14, No 4, 1963; pp 55-57.

Abstract : Review of quantitative data of increasing problems with the resistance of bacteria to antibiotics; resolutions of conference: 9 points dealing with need for committees to define standards, methods; establish liaison with manufacturing plants, medical personnel and laymen to educate everyone about proper use of antibiotics in therapy.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BAKALOVA, L.; BRATANOV, Br.; SEPETLIEV, D.; KEREKOVSKI, Iv.; KOLCHEV, Khr.; CHOBANOVA, St.

Studies of the nutrition of children in the Pleven District. Pts. 1-2. Izv Inst khranene BAN 3:211-226 '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br. TS.; GORANOV, Iv. Tr.

A case of felinosis in a child. Suvr. med. 14 no.9:22-28 '63.

(CAT-SCRATCH DISEASE) (BIOPSY)
(ERYTHEMA NODOSUM) (EOSINOPHILS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, B.; VENEDIKOV,I.; GEORGIEV, K.; GIZOV, G.; DR[illegible]V, G.;KOLAROV,S. TSONCHEV, V.

Distribution of rheumatism among students in Bulgaria in 1960-1961. Suvr. med. (Sofiia) 15 no.2:6-22 '64

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Br.TS.; GARGOV, K.

Specialization and postgraduate training of physicians in Europe. Suvr. med. (Sofiia) 15 no.6:43-49 '64

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BULGARIA

BRATANOV, Br. Ts, Suvremenna Meditsina, Vol 17, No 10, 1966, pp. 891-894.

(a GDR antibiotic) in the treatment of dysentery and salmonelloses (N. Kunchev). The depot penicillins benzacillin and benzacillin compositum were improved and applied on a trial basis in the treatment of rheumatic fever. Parallel tests are being carried out on the Bulgarian peroral penicillin preparations phenocillin and biphecillin and the French oracillin. A number of reports dealt with allergic reactions of patients and medical personnel to antibiotics. It was brought out by P. Mikhailov and N. Berova that no certain tests exist by which the allergy of a patient to penicillin can be established. A heightened sensitivity to antibiotics (chiefly penicillin and streptomycin) was found among medical personnel: 16.5% of medical workers exhibited allergic reactions to antibiotics (D. Atanasova and Gr. Naydenov). A report on penicillin antibodies was presented by E. Chekov. The mechanism of action of substances of bacterial origin producing necrosis of tumors was discussed by V. Vasilev and G. Khristov. A communication by M. Tsoneva-Maneva and L. Vasileva concerning the effect of some antibiotics on the mitotic activity and chromosomes of human leukocytes in vitro aroused considerable interest.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, P.

Treatment of tuberculous epididymitis an orchi-epididymitis by local infiltration of drugs. Khirurgiia, Sofia 9 no.3: 225-234 1956.

(TUBERCULOSIS, MALE GENITAL, therapy,
epididymitis & orchi-epididymitis, local chemother (Bul))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, P. (Plovdiv)

Treating tuberculous epididymitis and orchiepididymitis by local infiltration of drugs. Klin.med. 35 no.5:139 My '57. (MLRA 10:8)

1. Ministerstvo narodnogo zdorov'ya i sotsial'nogo obespecheniya (Bolgariya)
(TESTICLE--TUBERCULOSIS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.; PASPALEV, G.

"The Influence of Several Factors upon the Heredity of Individual Qualities in Birds," p. 43. (DOKLADY, Vol. 3, no. 2/3, Apr./Dec. 1950 [Published 1951]. Sofiya, Bulgaria.)

So: Monthly List of East European Accessions, Vol. 3, No. 5, May 1954/Unclassified

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.,

NIKOLOV, P., BRATANOV, K., AVRAMOV, N. R.

Investigation on the effect of potassium and calcium salts on lactation, preliminary communication. Izv. med. inst., Sofia 1:151-168 1951 (CIML 21:3)

1. Laboratory of Pharmacology (Head -- Prof. P. Nikolov) of the Institute of Experimental Medicine of the Academy of Medical Sciences (Director -- Academician D. Orakhovats).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BA BRATANOV, K.

AIL

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Effect of certain factors on heredity in birds. II. Effect of spermatozoa on embryos. III. Effect of fowl pest vaccine on bird embryos. (I. Pasjeckoe, K. Bratanov, and I. Vasilev (*Izvest. biol. Inst., Sofia*, 1951, **2**, 291—294, 295—298).—II. Injection of sperm from a black drake (*Carina moschata*) into the white of white duck's egg (*Anas domestica subflava*) after 72 hr. of incubation causes appearance of clumps of black feathers on the back of the ducklings.

III. Injection of fowl pest vaccine into the white of hens' eggs on the 10—13th days of incubation kills the embryos, whilst some of those injected on the 3rd, 8th, and 18th days survive.

R. Tauscoe.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.

"The Vitality of Domestic Animals and the Possibilities of Its Development," p. 6.
(Priroda I Znanie, Vol. 6, No.2, Feb. 1953, Sofiya.)

SO: Monthly List of East European Accessions, Vol.2, No.9 Library of Congress, September 1953, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.

Bulgaria (USSR)/Biology - Heredity Jan/Feb 54

"Vegetative Hybridization of Birds," K. Bratanov, Bulgarian Inst for the Artificial Insemination of Animals, Sofia

Ia Ak Nauk, OKhN, No 1, pp 53-58

Describes instances of hybridization between different breeds of chickens (accomplished by transferring egg-white) and between chickens and turkeys (achieved by injecting turkey blood subcutaneously or intramuscularly into chickens for some time prior to fertilization and egg-laying). According to the description,

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the chicken-turkey hybrids were fathered by a rooster. Mentions his expts on the vegetative hybridization between chickens and ducks by transferring egg-white. Illustrated by photographs.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Kirill, professor.

Bulgaria's science workers are active in the effort to make science the property of the people. Biul. VFNR no.5-6:87-91 S-O '54. (MLRA 7:9)

1. General'nyy sekretar' Soyuza nauchnykh rabotnikov Bolgarii. (Bulgaria--Science) (Science--Bulgaria)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, KIRIL

Povishavane zaplodiaemostta i plodovitostta na selsko stopanskite zhivotni. Sofiia, Zemizdat, 1955. 195 p. (Improving the conception and prolificity of domestic animals). DA Not in DLC.

Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol 7, no 1 Jan. 1958

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Kh.

In the Museum of Bulgarian-Soviet Friendship. p.5.
ZA RODINATA, Sofyia, Vol. 5, no. 12, Dec. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K: VARINOV,P.: DIKOV,V.

"Investigation on the sterility in cows from the Strandzha and Pirin regions."

p.51 (Izvestia) Vol. 7, 1956. Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no.5 May 1958

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

Bratanov'

RUMANIA/General Biology - Genetics. B-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 14432

Author : Bratanov
Inst : -
Title : Sex Heredity in Domestic Animals.

Orig Pub : Probl. zootehn., 1957, No 4, 59-63

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.; DIKOV, V.

Some problems of heredity in remote hybrids between sheep and goats.
Zhur. ob. biol. 21 no.3:175-188 My-Je '60. (MIRA 13:7)

1. Institute of Biology and Pathology of Farm Animal Breeding, Sofia, Bulgaria.
(HYBRIDIZATION) (SHEEP) (GOATS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

ERATANOV, K.; POPIVANOV, R.; VYICHANOV, V. Kh. and DIKOV, V.

"Studies on the Dynamics of Complement-Fixing Hetero-Spermo Antibodies."
Doklady Bolgarskoy Akademii Nauk, Vol. 14, No. 4, 1961. pp 393-396
(In English with Russian summary)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K. corresp. member, Bulgarian Academy of Sciences; POPIVANOV, R.; VULCHANOV, V. N.; DIKOV, V.

Studies on the dynamics of complement-fixing hetero-spermo-antibodies. Doklady BAN 14 no.4:393-396 '61.

1. Institute of Biology and Pathology of Farm Animal Multiplication at the Bulgarian Academy of Sciences, Chair of General Biology, Higher Medical Institute, Sofia, and Microbiological Institute at the Bulgarian Academy of Sciences.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

ERATANOV, K., prof.d-r.

International Symposium on Higher Education and Training of Specialists. Nauch zhivot 6 no.1:10-11 Mr-Ap'63

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K., prof.

International Seminar on the Biology of Reproduction and Artificial Insemination of Domestic Animals. Selskostop nauka 2 no.1:133-135 '63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Kiril

Some urgent problems in the biology and pathology of the propagation of farm animals. Selskostop nauka [2] no. 2: 141-150 '63.

1. Chl.-kor. na Bulgarskata akademiia na naukite i chlen na Redaktsionnata kolegiia, "Selskostopanska nauka".

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Kiril

Vegetative hybridization in animals, and some problems of heredity. Selskostop nauka 3 no. 1:91-99 '64.

1. Corresponding Member of the Academy of Agricultural Sciences, and Member of the Board of Editors, "Selskostopanska nauka".

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, Kiril, prof.

Twenty years in the service of Bulgarian science. Nauch zhivot 7 no.4:2-5 O-D '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.; YOSIFOV, K. [Iosifov, K.]; MATLIEVA, M.; TSEKOVA, E.

On the nucleic acid content in spermatozoa of certain farm animals. Doklady BAN 17 no.11:1047-1049 '64.

1. Institute of the Biology and Pathology of Reproduction and Non-infectious Diseases. Submitted June 12, 1964.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, K.; DIKOV, V.; POPOVA, Y.

On the formation of autospermoantibodies in brood animals. Doklady BAN 17 no.12:1117-1119 '64.

1. Institute of the Biology and Pathology of Reproduction of Domestic Animals. Submitted July 30, 1964.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

S/137/62/000/004/034/201
A006/A101

IP. 1240

AUTHORS: Mechenov, P., Bratanov, V., Sotirov, B.

TITLE: A new method of obtaining a lead-calcium alloy

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 36, abstract 4G229 ("Minno delo i metalurgiya", 1961, v. 16, no. 7, 20 - 23, Bulgarian; Russian and German summaries)

TEXT: The basic principle of the method is the aluminum-thermal reaction of CaO reduction to Ca metal, which is alloyed with Pb. This reaction proceeds at a normal pressure in a definite temperature range and in the presence of a proper flux ($CaCl_2$+NaCl) and Pb metal. When using a flux which consists of an eutectic mixture of $CaCl_2$+NaCl, and 700 - 750°C temperature, a Pb-Ca-alloy with 2 - 3% Ca was obtained within one hour.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 1/1

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOV, V., inzh.; IRTEGOVA, T., inzh.

Extraction of molybdenum from copper concentrates by roasting, leaching, and ion exchange. Min delo 18 no.5:21-25 My '63.

1. NIITsM (for Bratanov). 2. Olovodobiven zavod, Kurilo (for Irtegova).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

PETROV, P.; BRATANOV, V.

Cestriasis in sheep in Bulgaria. [illegible] parazit 9: 163-170 '63

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

Bratanova, K. A.

BRATANOVA, K.A., meditsinskaya sestra

Work of the nurses' council of the Gaysin District Hospital. Med. sestra 16 no.7:30 Jl '57. (MIRA 10:11)
(GAYSIN--NURSES AND NURSING)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOVA, K.A., meditsinskaya sestra (g. Gaysin)

Exercise therapy in facial neuritis. Med.sestra 17 no.12:27-28 D'58 (MIRA 11:11)

(PARALYSIS, FACIAL)
(EXERCISE THERAPY)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

S/051/62/013/006/005/027
E039/E120

AUTHORS: Sidorov, N.K., Stal'makhova, L.S., and Bratanova, L.I.

TITLE: Contours and intensities of the Raman lines of xylenes

PERIODICAL: Optika i spektroskopiya, v.13, no.6, 1962, 783-790

TEXT: Contour measurements of the Raman lines of o-, m- and n-xylene are made using a ДФС-4 (DFS-4) diffraction grating spectrometer. The lines are excited by the 4358 Å mercury line. Data are presented graphically and also tabulated, full comparison being made with the work of other authors. Methods of calculating the intensity standard S are discussed. This is characterised by an invariant tensor α' derived from the polarisation of the molecules. As values of S for the xylenes have not been so far calculated, a comparison of experimental and theoretical values of S for toluene is given. It is shown that the formula for S derived by H.J. Bernstein and G. Allen (J. Opt. Soc. Amer., 45, 1955, 237) :

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

$$S=\frac{(5b'^2+7g'^2)_{\Delta\nu}}{(5b'^2+7g'^2)_{802}}=\frac{Q}{Q_{802}}\frac{n^2}{n^2_{C_6H_{12}}}\frac{\sigma}{\sigma_{802}}\frac{R(n)}{R_{C_6H_{12}}}\frac{M}{d}\left(\frac{d}{M}\right)_{C_6H_{12}}\frac{\Delta\nu}{802}\left(\frac{\nu-802}{\nu-\Delta\nu}\right)^4\times$$

$$\times\left[\frac{1+\rho_{802}}{1+\rho}\right]_{observ}\frac{1-\exp(-1.44\Delta\nu/T)}{1-\exp(-1.44\cdot 802/T)}, \qquad (1)$$

(where b' and g' are components of the tensor α'; M is the molecular weight; d the density), gives values in good agreement with the data of N.I. Rezayev (Kand. Diss. MGU, M., 1958). The experimental data obtained forms a basis for the further development of theoretical work on the intensities of the Raman spectra of the xylenes.

There are 2 figures and 2 tables.

SUBMITTED: October 10, 1961

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

L 49781-65 EPF(c)/EWT(m)/EWP(j)/EWA(c) Pc-4/Pr-4 RM
ACCESSION NR: AR5012233 UR/0058/65/000/003/D015/D015

SOURCE: Ref. zh. Fizika, Abs. 3D98

AUTHORS: Kovner, M. A.; Berezin, V. I.; Bratanova, L. I.; Stal'makhova, L. S.; Sidorov, N. K.

TITLE: Vibrational spectra of certain heterocyclic and halide-substituted aromatic compounds

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, vyp. 1, 1964, 106-113

TOPIC TAGS: vibrational spectrum, deuterosubstitute, force constant, influence coefficient, Raman scattering, aromatic compound

TRANSLATION: A calculation is made and an interpretation is presented for the vibrational spectra of diazines, s-triazine, s-tetrazine, and some of their deutero-substitutes, and also N-oxide of pyridine. Systems of force constants and influence coefficients are obtained, and the role of the position and number of hetero-atoms is ascertained. A measurement is made of the true integral intensities and

Card 1/2

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

L 49781-65

ACCESSION NR: AR5012233

widths of Raman-scattering lines of chloro-, bromo- and iodo-benzene and pyridine, and also the degree of depolarization of these lines. Some electro-optical parameters of the pyridine ring are determined.

SUB CODE: OC , OP ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

L 63380-65 EWT(l)/EWT(m)/EPF(c)/EWP(j)/T IJP(c) RM

ACCESSION NR: AP5019753 UR/0051/65/019/002/0206/0212

535.375.096

AUTHOR: Sidorov, N. K.; Bratanova, L. I.; Stal'makhova, L. S.

TITLE: Main parameters of Raman lines of monohalides of benzenes and their dependence on the temperature and on the solvent

SOURCE: Optika i spektroskopiya, v. 19, no. 2, 1965, 206-212

TOPIC TAGS: Raman scattering, benzene, halide, line width, line intensity, depolarization, thermal effect, solvent action

ABSTRACT: The measurements, claimed to be the first performed on the substances in question, were made by a procedure described in detail earlier (Opt. i spektr. v. 13, 783, 1962). The quantities measured were the absolute intensities and the true values of degree of depolarization and width of Raman line of chlorobenzene, bromobenzene, and iodobenzene. The results are presented in the form of a table, which lists also the trace and the anisotropy of the derivative polarizability tensor. Studies were also made of the effect of the temperature on the absolute intensities of the lines belonging to different vibrations of the chlorobenzene and bromobenzene molecules, and the effect of various solvents (carbon tetrachloride, hexane, ethyl alcohol, acetone) on the absolute intensity and width of Raman lines of ben-

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L 63380-65

ACCESSION NR: AP5019753

15

zene halides. All solvents decrease the scattering ability of the molecule, but no correlation is found between the properties of the solvent and the deviation of the scattering ability from its value in the pure liquid. An attempt is made to reconcile the experimental data on the Raman line width with the existing theories, and it is concluded that none of the theories are satisfactory. "Undergraduate students N. A. Petrushkina and L. P. Epina participated in the work. The authors thank M. A. Kovner for a discussion of the work, and also M. L. Kats and A. G. Finkel' for interest in the work." Orig. art. has: 1 figure, 1 formula, and 2 tables. [02]

ASSOCIATION: none

SUBMITTED: 04May64 ENCL: 00 SUB CODE: OP

NO REF SOV: 017 OTHER: 008 ATD PRESS: 4079

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BULGARIA

Br. Ts. BRATANOV and B. YURUKOV [Affiliation not given]

"A Few Basic Questions Regarding Antibiotic Therapy."

Sofia, Suvremenna Meditsina, Vol 14, No 2, 1963; pp 3-12.

Abstract: Basically a thorough review of the literature of the last 15 or so years, primarily US although only a few authors are named in the text and there are no bibliographic references. The pharmacologic and toxicologic aspects are discussed in greater detail than the microbiologic or therapeutic - clinical considerations, but sensitivity testing, spread of bacterial resistance and combination therapy with mixed antibiotics are discussed; also steroid-antibiotic combined therapy and preventive use of antibiotics.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOVA, TSV.

BULGARIA / Human and Animal Physiology. Nervous System. General Problems. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102167.

Author : Stefanova, N.; Bratanova, Tsv.
Inst : Bulgarian Academy of Science.
Title : The Reflection on Vascular Reactions of Single Changes of the Condition of the Cerebral Cortex.

Orig Pub: Izv. Otd. biol. i. med. nauki Bolg. AN. Ser. eksperim. biol. i med., 1957, No 1, 15-28.

Abstract: After extinction of the orientating reflex as a result of preliminary plethysmographic investigation, in 6 students, after examination the plethysmographs were neutral, and unconditioned vascular reflexes to stimulation of cold were considerably decreased. In 10 students, unfamiliar with the conditions of the investigation, the plethysmo-

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BULGARIA / Human and Animal Physiology. Nervous System. General Problems. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102167.

Abstract: graphs had a wavelike character; the vascular reactions to stimulation with cold were strongly evidenced.

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

STEFANOVA, N.; BRATANOVA, TS.

Changes in the vascular reactions of human subjects in the presence of repeated conditioned motor reflexes. Izv. inst. fiziol. (Sofiia) 6:155-160 '63.

(REFLEX, CONDITIONED) (MOVEMENTS)
(VASOMOTOR SYSTEM) (PHYSIOLOGY)
(PLETHYSMOGRAPHY)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOVIC, U.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Belgrade, Veterinarski glasnik, No 7, 1961, pp 611-612.

Data: Book Review: "Pathologic Anatomy and Pathogenesis of the Spontaneous Tuberculosis of Animals" by Pallaske, G. (West German).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

YUGOSLAVIA/Diseases of Farm Animals - Diseaaes Caused by Viruses and Rickettsiae. R-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45412

Author : Bratanovich, IL.Ye., Yakshich, B.L.
Inst : -
Title : The Problems of Gastrointestinal Diseases in Young Pigs. I. Colibacillosis.

Orig Pub : Veterin. glasnik, 1957, 11, No 5, 521-525.

Abstract : An outbread of colibacillosis on a farm is described. All 302 pigs, aged up to 3 weeks, were affected. 102 animals were lost. The clinical picture: depression, loss of appetite, diarrhea, and anemia. An autopsy showed an acute catarrhal, partly hemorrhagic, gastro-enteritis. The authors suppose that the disease was caused by alimentary insufficiency, with the simultaneous presence of some harmful agent in the milk of sows, which contributed to an intensive proliferation of Escherichia

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

YUGOSLAVIA/Diseases of Farm Animals - Diseases Caused by Viruses and Rickettsiae. R-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45412

coli in the intestines of pigs. The change of the rations of sows, and the treatment of pigs with aureomycin, brought about the recovery of the animals. On the basis of histological changes observed in the intestines, stomach, suprarenal glands, and lymph nodes of the mesentery, the authors conclude to the effect of the desirability of the investigation of the Reilly-Selye phenomenon in coli-bacillosis of young pigs.

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOVSKIY B.

GRIGOR'YEV, V. (Rostovskaya obl.); LESNICHENKO, P. (L'vovskaya obl.); YAKUBEN', M. (Moskovskaya obl.); KITOV, P. (Khar'kovskaya obl.); KORNEV, V. (Mytishchinskiy radiouzel); BRATANOVSKIY, B. (Pavlovo-Posadskiy radiouzel).

Our complaints against the radio industry. Radio no.9:9 S '54. (MLRA 7:9)

1. Nachal'niki DRTS (for Grigor'yev, Lesnichenko, Yakuben', Kitov)
2. Nachal'niki radiouzlov Voskovskoy oblasti (for Kornev & Bratanovskiy) (Radio industry)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOVSKIY, V.A. [translator]; DENISIUK, I.N., redaktor; McLACHLEN, Norman William [author].

[Theory and application of Mathieu functions] Teoriia i prilozheniia funktsii Mat'e. Perevod s angliiskogo V.A.Bratanovskogo. Pod red. I.N.Denisiuka. Moskva, Izd-vo inostrannoi lit-ry, 1953. 474 p. (MLRA 6:12)

(Mathieu functions)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

IORISH, Yu.I.; ANTSYFEROV, M.S., kand. fiz.-mat. nauk, retsenzent; BRANOVSKIY, M.A., kand. tekhn.nauk, red.; BRATANOVSKIY, V.A., red.; BYKHOVSKIY, I.I., inzh., red.; VASIL'YEVA, R.V., inzh., red.; KORITYSSKIY, Ya.I., kand. tekhn. nauk, red.; KUSHUL', M.Ya., doktor tekhn. nauk, red.; PEVZNER, L.A., inzh., red.; SHMELEV, V.A., kand. tekhn. nauk, red.; BYSTRITSKAYA, V.V., red.izd-va; UVAROVA, A.F., tekhn. red.

[Vibrometry; measurement of vibrations and shocks, general theory, methods and devices] Vibriometriia; izmerenie vibratsii i udarov. Obshchaia teoriia, metody i pribory. Izd.2., perer. i dop. Moskva, Mashgiz, 1963. 771 p. (MIRA 17:2)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATASH, V. I.

May 1947

USSR/Geology
Geological Prospecting
Minerals

"Certain Peculiarities in the Chemical andMinerological Composition of Kazan' Strata in the Southeast of the Tatar ASSR," V. P. Florenskiy, V. I. Bratash, 4 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LVI, No 6 617-620

Describes geological research in Tatar ASSR which shows that distribution of carbonates in Kazan' layer confirms presence of differentiated series; and indicates that among carbonates, dolomite is found in greater quantity than calcium. Submitted by Academician D. S. Belyankin, 24 Dec 1946.

PA 58T45

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

FLORENSKIY, V.; BRATASH, V.

Profile comparison by means of correlation curves. Nov.neft.tekh. :Geol. no.4:1;8 '48. (MLRA 9-5)
(Borings) (Oil well logging)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATASH, V.I.

Upper Jurassic and Neocomian stratigraphy of the Tajik Depression. (MIRA 14:9)
Trudy VNIGNI no.30:184-191 '61.
(Geology, Stratigraphic) (Tajik Depression)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

L 60299-65 EPF(c)/EPF(n)-2/EWG(c)/EEC(k)-2/EWA(h)/EWT(d)/EWT(l)/EWT(m)/T/EWP(b)/EWP(t Pr-4/Pu-4/Peb IJP(c) WW/JD

ACCESSION NR: AT5009445 Z/0000/64/000/000/0102/0104

AUTHOR: Bratashevski, Yu. A.; Galkin, A. A.; Ivanchenko, Yu. M. 44 43 B+1

TITLE: Combined resonance in InSb

SOURCE: Conference on Low Temperature Physics and Techniques. 3d, Prague, 1963. Physics and techniques of low temperatures; proceedings of the conference. Prague, Publ. House of the Czechosl. Academy of Sciences, 1964, 102-104

TOPIC TAGS: indium antimonide, combined resonance, low temperature research, spin orbit interaction, anisotropy, cyclotron resonance

ABSTRACT: The authors studied combined resonance in an n-type InsB sample with a carrier density 8×10^{13} cm^{-3} and mobility of about 3×10^{15} $cm^2/V\text{-}sec$ at liquid-oxygen temperature. The sample was in the form of a lens 0.405 mm in diameter and 0.2 mm high, and was placed in the antinode of the electric field of a superheterodyne radiospectroscope operating at 7.5×10^{10} cps. An intense cyclotron resonance line, displaced by the plasma effect into the region of higher magnetic field, was observed at transverse polarization. The calculated value of the carrier density was 1.1×10^{14} cm^{-3}, which was in good agreement with values obtained for the sample. The cyclotron resonance line could be appreciably cancelled by producing longitudinal polarization, making it possible to observe four additional absorption lines. The lines disappeared when the sample was placed in the antinode of the

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L 60299-65
ACCESSION NR: AT5009445

high-frequency resonator magnetic field, showing their excitation to be electrical in nature. Analysis showed the spin line to be isotropic within the limits of experimental error, in spite of the fact that the theory of combined resonance calls for some anisotropy. This may be caused by scattering from impurities at hydrogen temperatures. The anisotropy was rechecked at liquid-nitrogen temperature, using a spherical sample 0.3 mm in diameter with carrier density 2×10^{14} cm^{-3}. In this case it was impossible to compensate for the cyclotron resonance by obtaining longitudinal polarization, so that the observation of the anisotropy was confined to a part of the spectrum which included the most intense combined-resonance lines. The results showed that the derivatives of the absorption curve constitute superpositions of wide and nearly-ordered overlapping bands, and their anisotropy apparently plays an important role. Orig. art. has: 4 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut nizkikh temperatur, Khar'kov (Physico-technical Institute of Low Temperatures)

SUBMITTED: 00 ENCL: 00 SUB CODE: SS, NP

NR REF SOV: 004 OTHER: 005

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATASHEVSKIY, Yu. A.; GALKIN, A. A.; IVANCHENKO, Yu. M.

Resonance absorption on band carriers in InSb. Fiz. tver. tela 5 no.1:358-359 Ja '63. (MIRA 16:1)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR, Khar'kov.

(Indium antimonide--Spectra)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATANOVSKIY, Ye.N.

Spare no effort in the development of telephone intercommunication systems in collective and state farms. Vest. sviazi 22 no.9: 17-18 S '62. (MIRA 15:9)

1. Starshiy inzh. Glavnogo upravleniya radiofikatsii, vnutrirayonnoy elektrosvyazi i priyemnoy televizionnoy seti Ministerstva svyazi RSFSR.
(Collective farms—Communication systems)
(State farms—Communication systems)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATASH, V.A., inzh.; GENDEL'MAN, I.M., inzh.

Selecting the underframe for a six-axle electric locomotive.
Vest. TSNII MPS 22 no.3:19-25 '63. (MIRA 16:7)

1. Dnepropetrovskiy elektrovozostroitel'nyy zavod.
(Electric locomotives)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATASHEVSKIY, Yu. A., TRUSH, V. K.

"Frequency Analysis by Means of a Split-Anode Magnetron With a Grid"
Uch. Zap. Kharkovskogo Univ., 4, 1953, pp 221-232

Differential equations expressing the voltage of the split-anode of a magnetron, derived by A. A. Slutskiy (Zh. Tekh. Fiz., 5, No 4 (1936) are applied to the operation of a split-anode magnetron with grid by introducing the parameters of the control grid. The obtained equation allowed the determination of self-excitation of the grid magnetron. The analysis of these equations proved that the grid magnetron is able to operate as oscillator and as synchronizer. (RZhMat, No 5, 1955)

SO: Sum. 492, 12 May 55

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

44623

S/181/63/005/001/059/064
B104/B186

24.6810

AUTHORS: Bratashevskiy, Yu. A., Galkin, A. A., and Ivanchenko, Yu. M.

TITLE: Resonant absorption in InSb on the band carriers

PERIODICAL: Fizika tverdogo tela, v. 5, no. 1, 1963, 358-359

TEXT: An experiment with n-type InSb is described which made it possible to observe the absorption band produced by cyclotron resonance and, for the first time, also other lines with electrical excitation of the band carriers. At nitrogen temperature the carrier concentration was $8 \cdot 10^{13}$ cm^{-3}, the mobility was $3 \cdot 10^5$ cm^2/v. Lenticular samples of 0.45 mm diameter and 0.2 mm height were used. They were studied in the electric field of a rectangular resonator of a superheterodyne radiospectroscope (75,000 Mc/sec). At oxygen temperature, intense cyclotron resonance lines were observed in transverse polarization, these being shifted into the region of stronger magnetic fields by plasma effects. Four other lines were observed when the cyclotron resonance lines were compensated by adjusting the longitudinal polarization. The lines disappeared when the samples were placed into the resonator loop, which proved them to be electrically excited. On continuous

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APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

transition from longitudinal to transverse polarization the intensity ratio of these lines to that of cyclotron resonance dropped even at small angles of deflection. Combined resonance is assumed to exist in this case. There is 1 figure.

ASSOCIATION: Fiziko-tekhnicheskiy institut nizkikh temperatur AN USSR, Khar'kov (Physicotechnical Institute of Low Temperatures AS UkrSSR, Khar'kov)

SUBMITTED: September 24, 1962

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

GRITSENKO, A.P.; BRATASYUK, N.M.

Automatic moisture meter. Izm.tekh. no.2:30-31 F '64.
(MIRA 17:4)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

MAZANEK, Eugeniusz; JASIENSKA, Stanislawa; BRATASZ, Feliks; KOPEC, Roman

Structure and phase composition of self-flucing sinters. Archiw hutn 7 no.4:305-318 '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATCHANSKIY, P.Ye.

Acylation of steroid compounds by ketene. Zhur.ob.khim. 30 no.10: 3203-3204 O '61. (MIRA 14:4)

1. Uzhgorodskiy gosudarstvennyy universitet.
(Steroids) (Ketene)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206730009-4

BRATCHENKO, B.F., red.; ZABLODSKIY, G.P., red.; BARABANOV, F.A., red.; BABOKIN, I.A., red.; BARANOV, A.I., red.; VYSOTSKIY, P.I., red.; DREMAYLO, P.G., red.; ZASADYCH, B.P., red.; ZVENIGORODSKIY, G.Z., red.; KAGAN, F.Ya., red.; LEVITSKIY, Ya.B., red.; LOTAREV, N.I., red.; MARCHENKO, M.G., red.; MITROFANOV, M.B., red.; PAKHALOK, I.F., red.; SHELKOV, A.A., red.; NYKOV, N.A., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Safety rules for working in briquetting and preparation plants] Pravila bezopasnosti pri vedenii rabot na briketnykh i obogatitel'nykh fabrikakh. Izd.2. Obiazatel'ny dlia vsekh organizatsii i predpriiatii ugol'noi promyshlennosti. Moskva, Ugletekhizdat, 1958. 62 p. (MIRA 11:7)

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Coal preparation--Safety measures) (Briquets (Fuel))

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Great problems and new prospects. Sov. profsoiuzy 6 no. 11:14-19 S '58. (MIRA 11:10)

1. Nachal'nik otdela ugol'noy,torfyanoy i slantsevoy promyshlennosti Gosplana SSSR.

(Coal mines and mining)

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BRATCHENKO, B. F.

Immediate prospects for expanding coal mining in the U.S.S.R.
Mast. ugl. 7 no.8:3-5 Ag '58. (MIRA 11:9)

1. Nachal'nik otdela ugol'noy, torfyanoy i slantsevoy promyshlennosti Gosplana SSSR.
(Coal mines and mining)

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BRATCHENKO, B.

Over-all mechanization and automatization is the path leading to new successes. Mast.ugl. 8 no.6:1-2 Je '59.
(MIRA 12:10)

1. Chlen Gosplana SSSR.
(Coal mines and mining--Equipment and supplies)
(Automatic control) (Coal mining machinery)

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BRATCHENKO, B.F.

Tasks in expanding coal mining in 1959-1965. Ugol' 34 no.3: 1-5 Mr '59. (MIRA 12:5)

1. Chlen Gosplana SSSR.
(Coal mines and mining)

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BRATCHENKO, B.F.; KLIRIK'YAN, S.Kh.; KHORIN, V.N.

Coal mining enterprises in the German Federal Republic. Ugol' 34 no.3:55-60 Mr '59. (MIRA 12:5)
(Germany, West--Coal mines and mining)

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BRATCHENKO, Boris Fedorovich; KLORIK'YAN, Suren Kharenovich; KHORIN, Vladimir Nikitich; BOGUTSKIY, Nikolay Vasil'yevich; FAYBISOVICH, I.L., otv.red.; SILINA, L.A., red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Coal mining technology in the German Federal Republic] Tekhnika v ugol'noi promyshlennosti FRG. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 438 p. (MIRA 13:7)
(Germany, West--Coal mining machinery)

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BRATCHENKO, B.F., gornyy inzh.; MUCHNIK, V.S., prof., doktor tekhn.nauk; SKOCHINSKIY, A.A., akademik; SUDOPLATOV, A.P., prof., doktor tekhn. nauk; CHINAKAL, M.A.

Valuable book for workers engaged in coal mining ("Improving coal mining equipment and tekhnology." Reviewed by B.F. Bratchenko and others). Ugol' 35 no.5:63-64 My '60. (MIRA 13:7)

1. Chlen-korrespondent AN SSSR (for Chinakal).
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Increase of labor productivity and improvement of coal quality are the main objectives in the development of coal mining in the Karaganda Economic region. Ugol' 35 no.7:9-13 Jl '60.
(MIRA 13:7)

1. Predsedatel' Karagandinskogo sovnarkhoza.
(Karaganda Basin--Coal mines and mining)

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BRATCHENKO, Boris Fedorovich, Ed.

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424 p. illus., charts, diagrs., tables.
Bibliographical footnotes.

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Kondrat Ivanovich Pochenkov; obituary. Sov. shakht. 11 no.9: 48 S '62. (MIRA 15:9)

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[Kazakhstan today and tomorrow]Kazakhstan segodnia i zavtra. Moskva, Izd-vo "Znanie," 1962. 28 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Geologiia i geografiia, no.15)
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Kazakhstan miners will carry out the decisions of the 22d Congress of the CPSU in the most efficient way. Ugol' 37 no.9:1-5 S '62. (MIRA 15:9)

1. Predsedatel' Gosplana Kazakhskoy SSR.
(Kazakhstan—Coal mines and mining)

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[Mining of coal deposits in Kazakhstan] Razrabotka ugol'nykh mestorozhdenii Kazakhstana. Moskva, Nedra, 1965. 292 p. (MIRA 18:5)

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BRATCHENKO, B.F.

Prospects and main problems in the further development of Ekibastuz deposits. Ugol' 40 no.8:11-13 Ag '65.
(MIRA 18:8)

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BRATCHENKO, B.I., glavnyy inzhener.

Use of the "Donbass" duplex combine in Karaganda. Mekh.trud.rab. 7 no. 7:23-25 Jl '53. (MLRA 6:7)
(Coal-mining machinery)

1. Kombinat Karagandaugol'.

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ACC NR: AT7006961 SOURCE CODE: UR/2650/66/000/025/0012/0017

AUTHOR: Bratchenko, B. M.

ORG: none

TITLE: The relation of radiation balance to the latitude and elevation of a locality

SOURCE: Alma-Ata. Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy, no. 25, 1966. Voprosy meteorologii (Problems in meteorology), 12-17

TOPIC TAGS: solar radiation, atmospheric temperature, heat balance

ABSTRACT: An analysis was made of the relation of annual radiation balance on the total temperature above 10C. Observational data were obtained from a number of localities in the Soviet Union. It was found that the annual value of radiation balance is closely related to the latitude and elevation of a locality. In general, satisfactory results for the radiation balance of the earth's surface are obtained by means of the formula:

$$R_p = 108 - 1{,}25\varphi - 0{,}0324H^{0{,}8},$$

where R_p is the annual value of radiation balance in kcal/cm^2, φ is the latitude in degrees, and H is the elevation above sea level. When considerable deviation between duration of solar radiation and its mean latitudinal value exists, better results for the middle latitudes are obtained by:

$$R_p = 88{,}3 - 1{,}06\varphi - 0{,}0324H^{0{,}8} + 0{,}15\alpha,$$

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where α is the average duration of solar radiation for May--August in percent of the total possible at that locality. The maximal error with this formula is 3.7 kcal/cm^2 per year; standard deviation is 1.5 kcal/cm^2 per year, and the coefficient of correlation is 0.960. The author concludes that the relation here represented is very significant, but that it needs further study. Orig. art. has: 1 table, 9 formulas, and 2 appendices (tables).

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 001

Card 2/2

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BRATCHENKO, I.

Centralized administration of automobile transportation. Avt. transp.32 no.11:1-3 N '54. (MLRA 8:3)

1. Nachal'nik avtotransportnogo upravleniya kombinata "Stalinugol'."
(Transportation, Automotive)

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BRATCHENKO, I.

Results of centralized freight haulage in an economic council system.
Avt. transp. 36 no.11:36 N '58. (MIRA 11:11)

1. Stalinskiy Sovet narodnogo khozyaystva.
(Stalino Province--Transportation, Automotive)

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BRATCHENKO, I.

Automotive transportation at the economic council under new conditions. Avt. transp. 37 no.7:34-35 Jl '59.
(MIRA 12:10)

1. Nachal'nik Upravleniya avtotransportnykh i shosseynykh dorog Stalinskoy oblasti.
(Stalino Province--Transportation, Automotive)

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